MISSOURI BOTANICAL GARDEN

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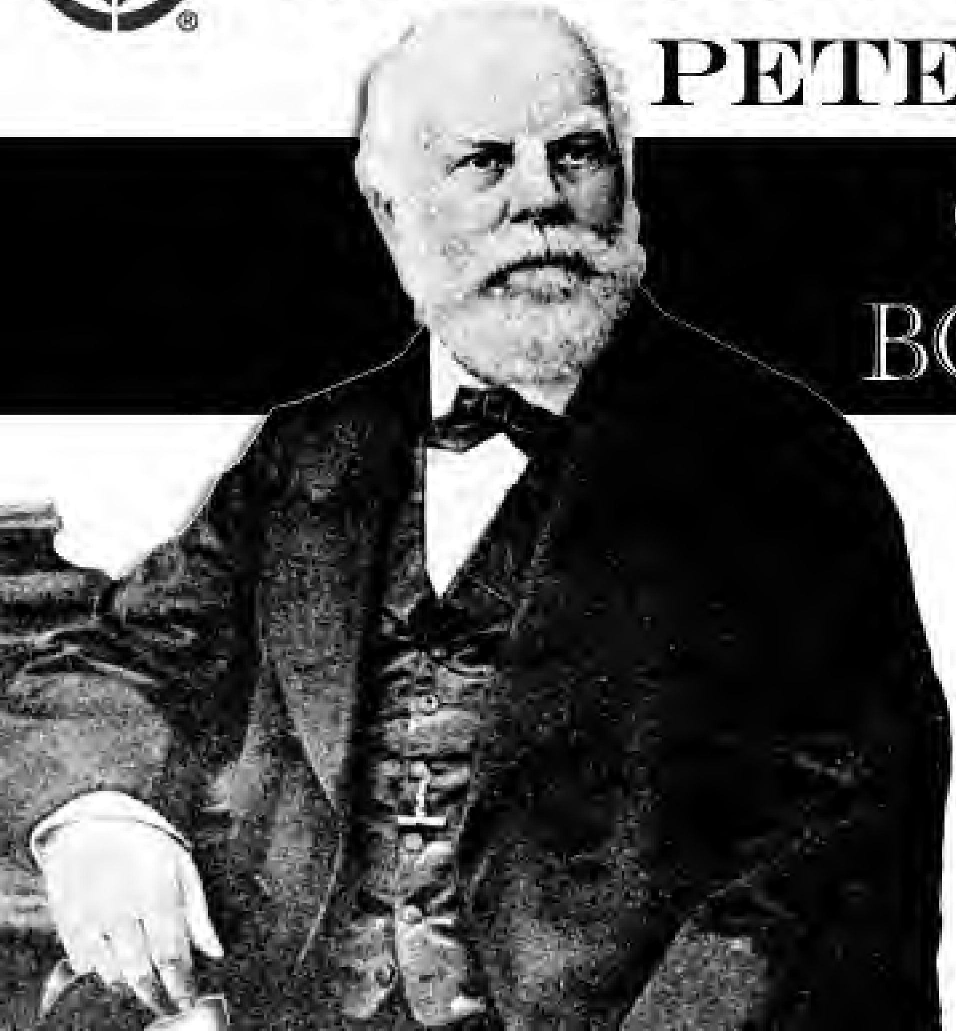

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19 polycarpa as peg?

Euphorbia minutifolia

prostrata annua? ramosissima tota pilis patulis brevissimis hispidula

foliis confertis minimis e basi obliqua acutiuscula obovatis obtusis integris

stipulis lanceolatis ciliatis

glomerulis lateralibus sessilibus

glandulis (atro rubentibus) appendiculis angustissimis

stylis ad basin bifidis ovario ~~hispidulo~~ pubenulo longioribus stigmatibus clavellatis.

Capsulis seminibus angustis acute angulatis, laevibus

β. nudata ~~glabrata~~ ~~gracilis~~ ~~subglabrata~~ vix pubescens, [illegible] glabra, glandulis virescentibus.

~~In the~~ California desert west of the Lower Colorado, β. on the Gila, both collected by Maj. Emory Nov 1846. ~~At~~ ~~Stems~~ about 6 or 8 inches long, prostrate on the ground, leaves probably ~~the~~ smallest of any of our Euphorbias, largest ones 1 line long, and ½ line wide; anthodia ½ line long; seed 0.4 line long. The smoothish form does not offer any other differences than those stated. —

Col. Fremont has collected in California 1847 another form which I can not distinguish from this though the internodes are 4 or 5 times as long as the leaves and the leaves themselves a trifle larger and

6599

the appendages a little larger and notched; the pubescence is the same as in the first form

polycarpa β. semi undulata
= alsinoides
γ. inconspicua = Wright 1857
δ. pubescens [illegible] minutiflora

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9 polycarpa vid. sem. undulata ar 9 e p

E. ~~pulchella~~ alsinoides

~~annua~~? procumbens glab~~errima~~ s. ~~minute~~ parce pubescens glaucescens, ±

foliis e basi obliqua obtusa ovatis obtusis

stipulis ovato-lanceolatis ciliatis

glomerulis lateralibus ~~alternantibus~~ subsessilibus

involucris campanulatis

~~glandulis~~ appendicibus transversim ovatis subintegris; crenatis lobis lanceolatis ciliatis

ovario pubescente

Stylis brevibus ad basin bipartitis; stigmatibus capitellatis.

caps. acute angulata plerumque nuda

Sem. angustis acute angulatis, ~~parce~~ parce transversim rugosis

Dry soil, abt San Diego Cal in patches Dr Parry common on Roadsides from there to the Colorado A Schott — A very pretty little species, densely covered with ~~the white~~ flowerlike antheridia, — ~~it is~~ Apparently annual, but specimens not sufficiently good ~~to~~ show. stems 3–6 inches long; leaves 1 or 1½ rarely 2 lines long; the involucres with their slightly ~~antheridia with the~~ pubescent ~~white~~ appendages forming a striking contrast with the very dark green or red glands. capsule often with a little pubescence at base seeds Only or below 0.4 and 0.5 long

Coulters specimen 1446 seems also to belong here — ~~but~~ it is distinguishable by the smaller appendages, & the less deeply divided styles,

6600

stigmas hardly only clavellate; seeds more

9

polycarpa Benth. Sulph. p. 50 as geg

brevi

Euphorbia ~~brachystyla~~ micromera Boiss.

E. polycarpa var. Eng. in Bot. Bound. p. 186

annua prostrata glaberrima foliis e basi obliqua obtusa seu cordata ovatis obtusis integerrimis stipulis lanceolatis subulatis glomerulis laxis foliaceis lateralibus Involucris parvulis glandulis minutis orbiculatis exappendiculatis, lobis lanceolatis ciliolatis

Stylis brevissimis ad basin bifidis; stigmatibus capitellatis

Capsula acute angulata

Seminibus angustis quadrangulatis acutis ~~sub~~ laeviusculis.

Wright 1852. (453 min.) San Pedro in Sonora in Pebbles in ~~[illegible]~~

One of the smallest of our Euphorbiae — somewhat of the habit of E. herniarioides but with narrower leaves, narrower stipules, & longer acutely angled seeds. ~~Stems~~ spreading in our specimens about 4–6 inches; leaves usually 1 lin long or less, and half as wide. Largest leaves about twice that size. ~~Involucra~~ flowering anthodia about 0.2 line long. — The most striking character is formed by the 6 globose ~~and very~~ stigmata supported by styles not longer than they are themselves. — Seeds about 0.4 long and half as much in thickness, ~~about~~ the shape and size of the seed of E. maculata, ~~but~~ with the

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same sharp angles; but almost smooth, only with a strong lens and a favorable light indications of crossribs are observable.

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10

a form of polycarpa? or sep

Euphorbia setiloba

compare E. fimbrilligera Mart Linnaea 19. 407

annua prostrata, tota minute pilis saepe glanduliferis
patentibus puberula
foliis minutis longius petiolatis
e basi vix obliqua cordatis s. oblique
ovatis integris.
stipulis minutis dentatis seu vix ullis
glomerulis lateralibus
involucris dorso profunde fissis
appendicibus in lacinias 3–4 subulatas
elongatas ~~fissis~~ divisis
stylis elongatis fere ad basin
bifidis stigmatibus clavellatis
divaricatis
capsula hispidula
seminibus ovatis acutatis
acute angulatis transverse rugulosis.

About Fort Yuma near the Mouth of the Gila in California May J. H. Thomas. — A very pretty little plant, with reddish minute leaves and long white subulate ornament setaceous appendages to the red glands. Stems 3 inches long, leaves rarely more than 1 line long; lower ones cordate and rounded others oval. ~~usually~~ Only about 3 male flowers are found in each involucre as Prof Torrey first noticed. Seeds 0.4 long and 0.2 wide.

allied ~~to appears very much~~ to E. minuta form of polycarpa ~~foliis basi cordatis~~ from the same region differs by the entire not slit involucre, the subulate appendages, the few male flowers (in the just named species I find 6 or 8 of them) and the seed

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71 ~~stellarioides~~ ar pep

E. ~~Sonoriensis~~ Arizonica

annua erecto patula pubescens

foliis e basi lato subaequali
ovatis obtusis integris pilosis
stipulis inconspicuis
anthodiis alaribus longius
pedunculatis
appendicibus glandula purpurea
multo majoribus obovatis suborbiculatis
tubo turbinato brevioribus;
postice fisso
stylis crassis ad medium bifidis ovario puberulo longioribus
stigmatibus filiformibus
capsula pilosa
seminibus rugoso verrucosis
angulis acutis crenulatis.

Sierra Janos, Sonora Schott. —
~~A very pretty~~ ~~the stature of~~
~~the~~ Stems 4–5 inches high in
the single specimen collected
leaves 3–4 lines long 2½–3 l. wide,
almost regular; ~~anthodia~~
on somewhat more slender petioles
than is usually seen in this section.
Stipules almost none, rudiments
hidden in the pubescence.
Peduncles longer than the petioles and
longer than the anthodium, which
without the app. is about a line
long; with them 1½ line in diameter; the glands
are purple
the app. purely
white
Seeds over 0.4 line long, oval
with sharp angles, and rough

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Euph. pediculifera

annua (?) procumbens tota tenuiter cinereo-
puberula

foliis e basi obliqua obtusa
ovatis ~~s. obliq~~ obtusiusculis integris
stipulis e basi lata lanceolatis
glomerulis paucifloris in ramulis
alternis terminalibus
Involucris hemisphaericis,
glandulis magnis appendicibus
transversis crenatis
stylis patulis pubescentibus
ad basin fere bifidis, stigmatibus
divaricatis. ovarium superantibus

Capsula acute angulata pubescente
seminibus compressis angulatis
~~transversim profunde sulcatis~~
sulcis 4 ~~trans~~ profundis transversis
incisis ~~et quasi 5 lobis~~

Wright 1848 in part (532) Sonoita Creek Sonora

Schott Pozo verde, Sonora   Thurber

a slightly canescent plant
spreading ~~8~~ 6–12 inches;
leaves 3–4 lines long, oblique
ovate – obtuse ~~deltoid~~ acutish
involucre large, styles large and
conspicuous. Seeds very remarkable
0.7 × 0.3 – ~~also~~ deeply
divided by the 4 cross
~~cuts~~ the seams into 5 lobes
giving them the appearance of some insect

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~~5~~ 13 ? geg

~~16~~ E. fruticulosa pag 6

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Buxifoli

Euph. glabella Sw.? 0.5 9e/p

fol conduplicatis — prostrat erecta
Buxifol fol planis

~~Erecta~~ Annua erecta glaberrima.
foliis ~~integerrimis~~ coriaceis vix obliquis
cordatis ovatis acutiusculis
integerrimis ~~coriaceis~~
stipulis triangulari lanceolatis
fimbriatis laceris
anthodiis alaribus
involucris turbinatis glandulis
angustis appendiculatis
stylis ovarium subaequantibus
erectis ad ~~basin~~ basin bifidis
stigmatibus erectis filiformibus
seminibus subglobosis
dorso carinatis lateribus sen
minute vermiculosis.

which? perhaps the last ?

Key West Florida Mr Blodgett.

~~Perhaps~~ Plant very much of the habit of E. hypericoides
Stem ~~and~~ of the only specimen before me erect, stout
~~very~~ abt 1 foot high.
Leaves 5–7 l. long, 3–4 lin broad,
deeply and almost equally
cordate, thick and leathery. —
Seeds pale rose color 0.6 l. long
and rather less than 0.5 thick. —
Eu. glabella of the Westindies is described as a
plant with small and crowded
leaves ~~with~~ neither of which is ~~not the~~
the case with our plant
but it may nevertheless be the
same ~~plant~~ species.

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glabella

Euphorbia ~~nodosa~~

suffruticosa patula s. diffusa
glaberrima caule ~~foliis dividuis~~ plerumque nodoso
foliis a basi obliqua cordata
(~~seminis superioribus obtusa~~) ~~ovatis~~ s. ovato-lanceolatis acutis integris
~~s. ovato-lan. superioribus ba~~
~~obtusis, lanceolatis inf~~
stipulis late ovatis angustis s. fissis
glandulis angustissimis viridescente
marginatis,
stylis patulis ad basin fere
bifidis, stigmatibus filiformibus.
Capsula obtusa s. subacute-
angulata
Semin. ovatis ~~angulatis obtusis~~
tuberculatis s. exsculptis

~~A half shrub found on~~ Keywest, Fla
by Mr Beaumont & Dr Chapman; —
A halfshrub, 6–10 inches high,
spreading and somewhat decumbent;
Leaves 2–4 lin long & 1–2 wide
Seeds blunt 0.5 and 0.6 long
and 0.4 thick irregularly grooved
partly pitted and partly tuberculate.

Near E. didyma, but distinguished by leaves
entire, (seeds rough,
cordate and acute, styles spreading))

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15 E. Fendleri Torr & Gr ~~E. saxicola~~ non Boissier -or- 9c/p

(E. rupicola) Scheele in Linnaea

perennis erecto-patula seu ~~procumbens~~ glaberrima

foliis e basi obliquis orbiculatis seu ovatis obtusissimis, margine integro revolutis;

stipulis subulatis parce fissis

~~axillaribus~~ glomerulis laxifloris lateralibus s. plerumque terminalibus

involucris ovatis s. turbinatis glandulis magnis in appendiculatis lobis ovatis ciliatis.

stylis brevissimis patulis apice vel vix ad medium bifidis stigmatibus ~~incrassatis~~, clavellatis

capsula acute angulata

seminibus ~~angustatis~~ elongato ~~[illegible]~~ ovatis acute angulatis leviter obtuseque transverse rugosis.

β longiloba foliis e basi obliqua ~~obtusis~~ ovatis s. lanceolatis falcatis ~~acutiusculis~~ obtusis s. plerumque acutis stipulis subulatis subintegris ~~stylis petalis brevibus vix ad medium bifidis, stigmatibus~~ ~~involucro turbinato~~

capsula angulis subacutis seminibus elongato ovatis acute angulatis

involucro turbinato glandulis minoribus appendicibus triangulatis productis integris s. bilobis

On Rocky soil, N. Braunfels Texas

Lindheimer Herb. No.

Wright "on the Mountains"

Texas Lindheimer 531

Common in Sonora Thurber 407

on the ~~upper Colorado~~ ~~[illegible]~~

North New Mexico Capt. Pope, Fendler

and to the sources of the Platte River Dr Marsh

~~Eagle pass~~ Eagle spring rocky

Wright. 1852 (536, 1851)

is a transition form ~~smaller~~ almost unappendiculate involucre, & longer narrower leaves

(Nº 1198) El Paso, Mtns

β Wright 660. 1849 with very narrow leaves

Frontera, Bigelow, Parry

Wright 1847 (100) Frontera

Sonora Thurber. 408 & 990

Santa Fe A. Fendler 800

on arid hills Prairies, Limpio

Wright 1851 (479. 1852)

~~Numerous~~ slender stems (2–4 inches high) from a thick ligneous root; leaves thick and form very variable from obovate to nearly linear; in var. α they are usually shorter and roundish, 2 lines long and not much ~~shorter~~ less wide; involucre ~~larger~~ and more ~~globate~~ or even hemispherical, glands large without any or with a very narrow appendage. Seeds thick only 0.6–0.7 lin. long. In β leaves 2–4 lines long, 1–3 lin. wide involucre a little smaller and longer glands smaller usually with long greenish or red appendages seeds narrower and longer, 0.8 l. long, 0.4 in diameter. —

~~An~~ intermediate forms, with short leaves and small transverse appendages or with long narrow leaves and without appendages (Wright 1852) ~~[illegible]~~ unite the two extremes

In this species and especially in β. I find the fem. calyx unusually developed; it is always large and cupshaped but occasionally I have seen 3 blunt short lobes corresponding with the cocci of the ovary, and three long subulate ones alternating with them.

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16 albomarginata Torr & Gr. ats gep

~~E. stipulacea~~

perennis procumbens glauca glaberrima

foliis carnosis e basi obliqua obtusa

s. subcordata ovato-orbiculatis

integerrimis s. margine cartilagineo

leviter crenulatis

stipulis connatis lateovatis integris membranaceis

anthodiis pseudo-axillaribus lateralibus laxis

dein in glomerulos

foliaceos confertis

appendicibus glandulam magnam

orbiculatis s. transversis

integris s. crenulatis, tubo hemisphaerico brevioribus

stylis filiformibus elongatis

ad medium s. ultra bifidis

stigmatibus clavellatis;

capsula acutangula

seminibus angustis acute 4 angulatis, laevibus

4 Chihuahua to Saltillo Dr Gregg.

3 El Paso etc Dr Bigelow Wright No 1850. in part.

Coppermines "

in part ~~Torr marg~~

5 Fremont 1846 1849 ; 428, 1844

2 Western Texas (Wright anno 1849. No 559) (a small leaved ~~form of A~~

Popes exped.

(prior 414)

Leona, Texas

6 { California Wallace

Los Angelos Rich

1 Texas Drummond II. 330

~~1851. No 55~~

β. Gregg - the valley of the Angas,

Schott. Sonora

Wright 1850 in part;

Hartweg 33

β minor, foliis ~~minoribus~~, anthodiisque minoribus; ~~stylis brevioribus~~ appendicibus brevioribus truncatis crenulatis; stylis brevioribus.

A very striking plant with a strong perennial root, and very glaucous foliage

6609

large white stipulae
large anthodia with large dark
green (black when dry) glands and
usually inconspicuous white appendages
leaves 2–3 l. long and a little less
wide; ~~styles very slender~~; seeds
0.5–0.6 l. long, narrower than in
the allied species —

Var β. is a smaller plant,
with much smaller leaves and flowers
the former only about 1 line long
— Mr Wright's ~~has sent~~ No 4850
~~contains specimens~~ partly belong
here; his specimens are annuals!
2–3 inches high

The plant is sometimes ~~tuft~~ sub erect
but often long ~~[illegible]~~ running over
the ground, showing on the underside of
the stems just under ~~both~~ leaves
glandlike protuberances which ~~eff~~ emit roots
in favorable positions

E. astyla

perennis multicaulis erecto-patula
~~glaberrima~~ glauca
foliis coriaceis e basi profunde cordata subobliqua reniformibus
(margine cartilagineo subcrenulatis)
stipulis connatis latis fimbriatis
anthodiis alaribus
~~glandulis~~ appendicibus involucri hemisphaerici transversis crenulatis
~~Stylis~~ stigmatibus 3 capitatis sessilibus
capsula obtuse angulata
sem. angustis ~~acutang~~ transverse foveolatis angulis acutis crenatis

Valley of the Nazas in S.E. Chihuahua Dr Gregg mixed with E. stipulacea

Single specimen of this singularly characteristic plant large perpendicular ~~perennial~~ thick root stems 2 inches high — leaves 2 lines long & wide appendages conspicuous but much smaller than involucre, stigmata ~~very~~ unusually large and quite sessile! seeds 0.7 l long linear with concave ~~sid~~ strongly grooved sides and very prominent crenulate margins. Very near E stipulata but by the stigmas and seeds abundantly distinguished.

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ar
18. floribunda. hyp 3 gēp

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19 melanadenia Torr as p.p.

Euphorbia cinerascens

Perennis erecto-patula s. subdecumbens pilis adpressis pubescens canescens

foliis e basi lata subcordata obliqua ovatis s. suborbiculatis obtusis integris; supra glabratis,

stipulis lanceolatis minutis mox deciduis;

glomerulis lateralibus

involucri campanulati glandulis (plerumque purpureis) ~~minutis~~ angustissime marginatis

stylis brevibus patulis pilosis ultra medium bifidis ovario brevioribus; stigmatibus clavellatis divaricatis

capsula acute angulata cana

seminibus ovatis acute angulatis laeviusculis.

Monterey Mexico, on the ramparts of Bishops hill, Dr Gregg.

Wright No 1850 in part (1851) — all

" 559 " " (1849 ~~647 Sonora~~ San Felipe east of San Pedro

Bigelow sandy plains, mouth of Cañon, N Mex. June 26. 1852

Wright: hills near painted Caves near Devils River July 8 "Rio Grande 1848," eastward to the Colorado" — 134 [illegible]

β. appendiculata foliis utrinque cinereis, appendicibus glandula majoribus truncatis crenulatis; ~~stylis~~ stigmatibus longioribus;

Bigelow, San Gabriel California

6612

A very pretty species 4–6 inches high — the crowded greenish leaves often turning red; leaves usually 1½–2 lines long a little less wide; flowers apparently sparingly; Seeds 0.5–0.6 l. long sharply angled.

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20 as peg p

E. tomentella

erecta suffruticosa multicaulis,
E radice perpendiculari lignosa
tota canotomentosa
foliis e basi obliqua ovatis
obtusis crassis integris
stipulis lanceolatis glanduloso-
dentatis
~~involucri~~ glandulis 1-4 anguste
appendiculatis
Stylis villosis fere ad basin
bifidis ovario brevioribus, stigmatibus
clavellatis divaricatis
Seminibus ~~angustis~~ subovatis obtusius
angulatis laevibus
Montanus
On the Hacienda Vanegas
in the State of San Luis Potosi
Berlandier No 1358 — Stems only
about 4 inches high erect; very numerous
leaves 2 l. long 1 l. wide, ~~very~~ thick and
~~thickly~~ tomentose; grayish
Near E. cinerascens, distinguished
by its ~~ligneous~~ suffruticose stiffly erect growth
its thick tomentum on every part
of the plant and the ~~unusual~~
conspicuous glandularly ~~fringed~~ stipules

6613